

AMENDMENTS TO CLAIMS

Claims 1-14 (canceled)

Claim 15 (currently amended): A paintable seal system, comprising:

a first panel of an automotive vehicle joined to a second panel of the automotive vehicle by a joint, wherein:

- i) the joint is at least partially located within a ditch of the automotive vehicle; and
- ii) the first panel is attached to the second panel along a length of the joint; and

a multilayer seal disposed over the joint, the multilayer seal including an adhesion portion and a barrier portion, wherein:

- i) the barrier portion includes at least one layer;
- ii) the adhesion portion softens and flows when heated to temperatures typically encountered in automotive vehicle priming and painting operations; and
- iii) the multilayer seal includes at least one of a polyester material in the barrier portion or a methacrylate in the adhesion portion

wherein the barrier portion is about 400 gauge or about 600 gauge in thickness.

Claim 16 (previously presented): A paintable seal system as in claim 1 wherein the barrier portion is layered over the adhesion portion.

Claim 17 (previously presented): A paintable seal system as in claim 1 wherein the at least one layer is formed of a plastic sheet material.

Claim 18 (previously presented): A paintable seal system as in claim 1 wherein the at least one layer is at least partially formed of polyester.

Claim 19 (previously presented): A paintable seal system as in claim 18 wherein the polyester of the at least one layer is polyethylene terephthalate.

Claim 20 (previously presented): A paintable seal system as in claim 1 wherein the barrier portion has a thickness of about 150 microns.

Claim 21 (previously presented): A paintable seal system as in claim 1 wherein the adhesion portion includes a curing agent.

Claim 22 (previously presented): A paintable seal system as in claim 1 wherein the adhesion portion includes an methacrylate copolymer.

Claim 23 (previously presented): A paintable seal system as in claim 1 wherein the adhesion portion includes an ethylene methacrylate.

Claim 24 (previously presented): A paintable seal system as in claim 1 wherein the adhesion portion includes a bisphenol.

Claim 25 (previously presented): A paintable seal system as in claim 1 further comprising a layer of primer and a urethane based coating.

Claim 26 (previously presented): A paintable seal system as in claim 1 wherein the adhesion portion includes an adhesion promoter.

Claim 27 (currently amended): A paintable seal system, comprising:

a first panel of an automotive vehicle joined to a second panel of the automotive vehicle by a lap joint, wherein:

- i) the lap joint is at least partially located within a roof ditch that is at least partially defined by the first and second panel of the automotive vehicle; and
- ii) the first panel is spot welded to the second panel along a length of the joint;

a multilayer seal disposed over the lap joint, the multilayer seal including an adhesion portion layered over the lap joint and a barrier portion layered over the lap joint, wherein:

- i) the barrier portion includes multiple layers and at least one of the layers is at least partially formed of polyethylene terephthalate; and
- ii) the adhesion portion softens and flows when heated to temperatures typically encountered in automotive vehicle priming and painting operations

wherein the multilayer seal including the barrier portion, the adhesion portion or both has a tensile strength of at least about 4500 KPa.

Claim 28 (previously presented): A paintable seal system as in claim 27 wherein the barrier portion is layered over the adhesion portion.

Claim 29 (previously presented): A paintable seal system as in claim 27 wherein the at least one layer is formed of a plastic sheet material.

Claim 30 (previously presented): A paintable seal system as in claim 27 wherein the barrier portion has a thickness of about 150 microns.

Claim 31 (previously presented): A paintable seal system as in claim 27 wherein the adhesion portion includes a curing agent.

Claim 32 (previously presented): A paintable seal system as in claim 27 wherein the adhesion portion includes a methacrylate copolymer.

Claim 33 (previously presented): A paintable seal system as in claim 27 wherein the adhesion portion includes an ethylene methacrylate.

Claim 34 (previously presented): A paintable seal system as in claim 27 wherein the adhesion portion includes a bisphenol.

Claim 35 (previously presented): A paintable seal system as in claim 27 further comprising a layer of primer and a urethane based coating.

Claim 36 (previously presented): A paintable seal system as in claim 27 wherein the adhesion portion includes an adhesion promoter.

Claim 37 (previously presented): A paintable seal system, comprising:

a first panel of an automotive vehicle joined to a second panel of the automotive vehicle by a lap joint, wherein:

- i) the lap joint is at least partially located within a roof ditch that is at least partially defined by the first and second panel of the automotive vehicle; and
- ii) the first panel is spot welded to the second panel along a length of the joint;

a multilayer seal disposed over the lap joint, the multilayer seal including an adhesion layer layered over the lap joint and a barrier layer layered over the lap joint, wherein:

- i) the barrier layer includes multiple layers and at least one of the multiple layers is at least partially formed of polyethylene terephthalate;
- ii) the adhesion layer softens and flows when heated to temperatures typically encountered in automotive vehicle priming and painting operations; and
- iii) the adhesion layer includes an methacrylate copolymer, a bisphenol, a curing agent and an adhesion promoter; and

a layer of primer and a urethane based coating disposed over the multilayer seal.

Claim 38 (new): A paintable seal system as in claim 37 wherein the barrier portion is about 400 guage or about 600 guage in thickness.

Claim 39 (new): A paintable seal system as in claim 38 wherein the multilayer seal including the barrier portion, the adhesion portion or both has a tensile strength of at least about 4500 KPa.

Claim 40 (new): A paintable seal system as in claim 37 wherein the multilayer seal including the barrier portion, the adhesion portion or both has a tensile strength of at least about 4500 KPa.